

Title (en)
Isoindolinone derivatives, production and use thereof.

Title (de)
Isoindolinonderivate, ihre Herstellung und Verwendung.

Title (fr)
Dérivés de l'isoindolinone, leur préparation et leur utilisation.

Publication
EP 0174858 A1 19860319 (EN)

Application
EP 85306494 A 19850912

Priority
JP 19307384 A 19840914

Abstract (en)
[origin: JPS6169773A] NEW MATERIAL: The compound of formula I {X is H, halogen or NO₂: Ar is (substituted) phenyl or naphthyridinyl; one of Z<1> and Z<2> is H and the other is lower alkanoyloxy or OH or both Z<1> and Z<2> are lower alkoxy, or Z<1> and Z<2> together form NOH, O or group of formula II [Y is O or S; A is (branched) lower alkylene chain]} or its salt. EXAMPLE: 5-Chloro-3-(1,4-dioxo-8-azaspiro[4.5]decan-8-yl)carbonyl-methyl-2-(4-methoxyphenyl)isoindolin-1-one. USE: A drug having broad safety range, extremely low side effects such as hypnotic action and muscle-relaxation effect, and acting to central nervous system, e.g. antianxiety agent. It can be administered orally. PREPARATION: The compound of formula I can be prepared by condensing the compound of formula III (Y' is OH or its reactive derivative) with the compound of formula IV by conventional method.

IPC 1-7
C07D 401/06; **C07D 491/113**; **C07D 495/10**; **C07D 471/04**; **C07D 519/00**; **A61K 31/445**

IPC 8 full level
A61K 31/4427 (2006.01); **A61K 31/445** (2006.01); **A61P 25/20** (2006.01); **A61P 25/24** (2006.01); **A61P 25/26** (2006.01); **C07D 209/46** (2006.01); **C07D 317/00** (2006.01); **C07D 401/06** (2006.01); **C07D 471/04** (2006.01); **C07D 491/10** (2006.01); **C07D 491/113** (2006.01); **C07D 495/10** (2006.01); **C07D 519/00** (2006.01)

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Citation (search report)

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- [A] CHEMICAL ABSTRACTS, vol. 95, no. 17, October 26, 1981, Columbus, Ohio, USA LENCBERGS, I.; ARENA, B.; ARENS, A.; SALNITE, S.; RAVINS, A. "3-Hydroxy-3-(α -aminobenzyl)-2-substituted 1-isoindolinones" page 637, column 1, abstract-no. 150 329q
- [A] CHEMICAL ABSTRACTS, vol. 93, no. 25, December 22, 1980, Columbus, Ohio, USA PROKSA, BOHUMIL; VOTICKY, ZDENO "New derivatives of 1-benzyliden-isoindolin-3-one from narceine imide" page 842, column 2, abstract-no. 239 289h

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EP 85306494 A 19850912; AT 85306494 T 19850912; CA 490715 A 19850913; CS 408091 A 19911227; DE 3567210 T 19850912; HK 3992 A 19920109; JP 19307384 A 19840914; MX 9203039 A 19920619; SG 105191 A 19911212; US 6721887 A 19870629; US 77447085 A 19850910